

# NRDC transfers green technology for marine oil spill bioremediation

TIMES NEWS NETWORK

**Visakhapatnam:** The National Research Development Corporation (NRDC) transferred and commercialised indigenous green technology – ‘Maresol- bioremediation of hydrocarbons by marine hydrocarbonoclastic bacteria’ (marine oil spill bioremediation).

The technology was developed by the National Institute of Ocean Technology (NIOT).

The technology transfer tripartite license agreement was signed and exchanged between NRDC CMD, Commodore (Retd) Amit Rastogi, and OSCT managing director Capt Kedar Choudhary.

Regional manager and head, NRDC-IPFC & TISC, Innovation Valley, Vishakhapatnam, Dr BK Sahu, coordinated the meeting and initiated the signing agreement.

Commodore Rastogi highlighted the Union government’s mission of cleaning the sea and marine ecosystem. He emphasised the need of this green technology for sustainable development of marine ecosystem.

Dr Sahu said that Maresol technology is a process of using specific microorganisms isolated for removal of toxic and harmful petroleum hydrocarbons. “Biodegradation of crude oil by this technology is proven to remove 95% of the total hydrocar-



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bons. It will be degraded into non-toxic end products within a period of 21-28 days. This was confirmed by gas chromatography mass spectrometry. This low cost and environment-friendly technology has wide application in marine surface oil spill, deep sea oil plumes and sludge treatments in refineries,” said Sahu.